

NucleoMag® cfDNA – MagnetaPure 32+

Protocol details

Application	cfDNA from plasma samples	
Kit	NucleoMag® cfDNA	
REF	744550 (.1 / .4)	
Protocol name	NMcfDNA	
Run time	approx. 31 min	Rev 01



Five easy steps

Procedure	
1	Perform lysis according to the user manual NucleoMag® cfDNA using a volume of 375 µL plasma per sample (e.g. 375 µL plasma + 9.5 µL Liquid Proteinase K + 169 µL MCF1)
2	Fill the 96-well Deep-well plates according to the table below.
3	Load the plates on the MagnetaPure 32+.
4	Insert tip combs on the mounting grooves.
5	Select the protocol from the instrument menu and start run.

Note: Please equip all tip combs in order to cover the magnetic rods in used and unused wells.

Loading table for plate 1 and 2

Position	Reagents	Samples per plate
Column 1 + 7	Lysate (553.5 µL), NucleoMag® P-Beads (6 µL), Binding Buffer MCF2 (375 µL)	Sample 1-8 Sample 9-16
Column 2 + 8	Wash Buffer MCF3 (500 µL)	Sample 1-8 Sample 9-16
Column 3 + 9	Wash Buffer MCF4 (500 µL)	Sample 1-8 Sample 9-16
Column 4 + 10	Wash Buffer MCF4 (500 µL)	Sample 1-8 Sample 9-16
Column 5 + 11	empty	- -
Column 6 + 12	Elution Buffer MCF5 (100 µL)	Sample 1-8 Sample 9-16

Note: Please refer to the image below for a visual representation of the loading scheme

Loading scheme

	1	2	3	4	5	6	7	8	9	10	11	12	
A	Binding (934.5 µL)	1 st Wash (500 µL)	2 nd Wash (500 µL)	3 rd Wash (500 µL)		Elution buffer (100 µL)	Binding (934.5 µL)	1 st Wash (500 µL)	2 nd Wash (500 µL)	3 rd Wash (500 µL)		Elution buffer (100 µL)	
B													
C													
D													
E													
F													
G													
H													

Additional consumables and instrumentation

Product	Specification	REF
MagnetaPure 32+	Automated nucleic extraction system for MACHEREY-NAGEL's NucleoMag® kits enabling parallel processing of up to 32 samples	747010
96 Deep-well Plate	96 deep-well plates for MagnetaPure 32+ (25 pieces)	744955
Tip Combs	8-well tip combs for MagnetaPure 32+ (50 pieces)	744960

Disclaimer

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